



ECN FLOATGEN

Mooring lines installation

Project description

ECN contracted Bourbon Subsea Services to install the 6 mooring lines of the first floating wind turbine in France.

The innovative mooring system includes a 16T anchor, a bottom chain and a variable length of nylon rope

Challenges

The very high tensions to be reached (>350T) combined to the very shallow waters and the restricted size of the site made this mooring job particularly challenging.

Our Solution

Bourbon Subsea Services provided a packaged solution inclusive of overall project management, detailed engineering, procurement of installation aids and installation services.

A third party vessel, the Far Sapphire equipped with 1 x WROV was chosen to perform the offshore installation works. In order to reach and maintain the target load (>350T) for each mooring line, a reaction anchor was installed and connected at vessel's bow.

Bourbon delivered the whole project scope within budget and with no incident.

Client

Ecole Centrale de Nantes (ECN)

Location

France, Atlantic, SEMREV Site

Duration

Feb-Jul 2017

Resources

- M/V Far Sapphire
- WROV Magnum Plus

Services

- Project Management & Engineering
- Procurement of installation aids
- Installation of 6 Mooring lines

